



Montana Department of  
**ENVIRONMENTAL QUALITY**

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November 7, 2014

Ms. Danette Quick  
U.S. Environmental Protection Agency  
Region VIII, Montana Office  
10 West 15<sup>th</sup>, Suite 3200  
Federal Building  
Helena, Montana 59626

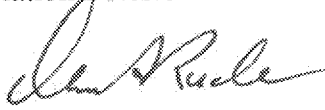
Dear Ms. Quick:

We have enclosed the Montana Multi-Site Cooperative Agreements V-96822401 and V-96823301 quarterly report for the Federal Fiscal Year 2014 Fourth Quarter. The quarterly report includes a narrative description and financial summaries of DEQ's activities for this quarter.

If you have questions concerning the narrative discussion, please contact Tom Stoops, Federal Superfund Bureau Chief at (406) 841-5035. For financial summary questions, contact Russ Rowsey, Accountant at (406) 841-5015.

Sincerely,

  
Jenny Chambers, Administrator  
Remediation Division

  
Dean A. Rude, Chief Financial Officer  
Financial Services

Enclosure

cc: Jenny Chambers, RD  
Tom Stoops, RD  
Karen Anthony, FS



**MONTANA DEQ MULTI-SITE MANAGEMENT ASSISTANCE  
COOPERATIVE AGREEMENT**

**BULK FUNDING and SPECIAL ACCOUNT FUNDING  
V-96822401, V-96823301**

**DEQ Support Agency Assistance**

**Fourth Quarter Report FFY 2014  
July 1, 2014 to September 30, 2014**

Montana Department of Environmental Quality  
Remediation Division  
Federal Superfund and Construction Bureau  
Helena, Montana

For the  
U.S. Environmental Protection Agency  
Region VIII  
Denver, Colorado

November 7, 2014

**MULTI-SITE COOPERATIVE AGREEMENT**  
**V-96822401, V-96823301**  
**Fourth Quarter Report FFY 2014**  
**July 1, 2014 to September 30, 2014**

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## **INTRODUCTION**

The Montana Department of Environmental Quality (DEQ) provided legal, technical, and management assistance at U.S. Environmental Protection Agency (EPA)-lead Montana National Priorities List (NPL) sites during the fourth quarter of federal fiscal year (FFY) 2014. Assistance under this cooperative agreement was provided at the ACM Smelter and Refinery, Anaconda, Barker Hughesville Mining District, Basin Mining Area, Carpenter Snow Creek Mining District, Burlington Northern (BN) Somers, East Helena, Flat Creek, Idaho Pole, Libby Groundwater, Lockwood Solvent site, Milltown Reservoir Sediments, Mouat Chromium, Upper Tenmile, and Silver Bow Creek/Butte Area sites. DEQ administered a state-lead preliminary assessment/site investigation (PA/SI) program and assisted EPA on EPA-lead site assessment activities.

Beginning July 17, 2012 management assistance for bulk funded sites is provided under Cooperative Agreement V-96822401 and beginning August 1, 2012 management assistance for special account funded sites is provided under Cooperative Agreement V-96823301. Both the bulk funded sites and the special account funded sites are reported in this quarterly report. Technical Assistance (V-97887601, V-96821201, V-96824901, V-96822901) cooperative agreements and Core (VC-00852703) cooperative agreement are separate agreements and quarterly reporting for Technical Assistance and Core are provided separately. Site narrative provided below primarily focuses on the interaction between the Remedial Project Manager (RPM) and the State Project Officer (SPO) for each site.

## **SITE NARRATIVES**

### **ACM SMELTER AND REFINERY**

The ACM Smelter and Refinery site was listed as a Superfund site on March 10, 2011. During the reporting period DEQ met with EPA, Atlantic Richfield (AR), and Pacific Western Technology (PWT) on several occasions to review progress on the OU1 RIFS. DEQ, PWT, and EPA met with Burlington Northern Santa Fe (BNSF) to review progress on the RR corridor RIFS and the focused response action for the West end of the Black Eagle Park. DEQ and EPA met with the Black Eagle Community, the TAG committee, the Cascade County Commissioners, and the Great Falls Development Corporation to present the general plan for remediating the site. AR and their contractor have completed the Black Eagle residential soil sampling, the outlying areas soil sampling, the sediment sampling, the surface water sampling, and the indoor dust sampling. BNSF and their contractor completed both phases of the RR corridor soil sampling. BNSF and their contractors completed the response action in the West end of the Jack Higgins Park to reduce potential exposures to COCs. The EPA and the DEQ supported the Great Falls Middle School career interest program. The DEQ provided field oversight on the AR and the BNSF field activities on several occasions.

### **Documents Received, Reviewed, Prepared**

- Review Preliminary Remedial Goal (PRG) technical memorandum # 8 (Formation, July 2014).
- Review As and Pb bioavailability testing results (Formation, May 2014).

- Review OU1 RR corridor RIFS June 2014 Monthly Progress report (Kennedy Jenks, July, 2014).
- Review OU1 RR corridor RIFS July 2014 Monthly Progress Report (Kennedy Jenks, August 2014).
- Review OU1 RR corridor RIFS August 2014 Monthly Progress Report (Kennedy Jenks, September 2014).
- Review PWT oversight report on the Park response action (PWT, July 2014).
- Review the RR corridor RI air dispersion modeling work plan (Kennedy Jenks, July 2014).
- Review OU1 RIFS June 2014 Monthly Progress Report (ARCO, July 2014).
- Review OU1 RIFS July 2014 Monthly Progress Report (ARCO, August 2014).
- Review OU1 RIFS August Monthly Progress Report (ARCO, September, 2014).
- Review the status of the OU3 ecological site assessment with EPA.
- Review the OU1 RR corridor As and Pb bioavailability data (Kennedy Jenks, August, 2014).
- Review and comment on the OU1 draft RI (Formation, August, 2014).
- Review and compare the OU1 RI and the OU1 RR RI As and Pb bioavailability results (Formation, May 2014 and Kennedy Jenks, August 2014).
- Review and comment on the EPA region 8 goals and milestones.

Activities, travel, meetings, field work:

July 9	Meet EPA, PWT, BNSF to review the status of OU1 RR corridor RIFS.
July 10	Meet with EPA and TAG consultant to review the status of the RIFS.
July 21	Great Falls. Meet EPA, PWT, BNSF, Kennedy Jenks, Olympus to review the response action in the West end of the park.
July 22	Meet EPA and PWT to review Technical memorandum #8 (from ARCO) concerning PRGs.
July 23	Meet EPA, PWT, and ARCO to review ARCO responses to the agency comments on the 1 <sup>st</sup> draft of the OU1 RI.
July 25	Great Falls. Review the status of the response action in the West end of the Black Eagle Park.
August 14	Meet with EPA, PWT, and ARCO to review the status of the OU2 RIFS.
August 20	Meet EPA, PWT, BNSF, Kennedy Jenks to review the status of the OU1 RR corridor RI.
September 2	Meet EPA, PWT, and the TAG consultant to review the OU1 community soils data base.
September 3	Great Falls. Meet EPA, TAG committee, Cascade County Commissioners to review the status of the RI, HHRA and FS.
September 5	Meet EPA, PWT, BNSF, and Kennedy Jenks to review the scope for the RR corridor OU1 HHRA.
September 15	Meet EPA, PWT, and the TAG consultant to finalize comments on the latest draft of the OU1 RI report.
September 18	Meet EPA, PWT, BNSF, and Kennedy Jenks to review the OU1 RR corridor RIFS status.

September 30 Great Falls. Tour OU2 and OU3 with EPA, ARCO, TAG committee, Cascade County Commissioners, and Trails Group.

### **ANACONDA SMELTER SITE**

DEQ, in cooperation with the EPA and Atlantic Richfield (AR), continue to make progress at the Anaconda Smelter NPL site. As in the previous quarter, preliminary discussions on beginning Consent Negotiations continue between the Agencies and AR. Remediation activities continued throughout the quarter. The details of planned removal of lead from residential yards were agreed to by all parties. Activities included, but were not limited to, meeting with stakeholders on various issues. In support of these and other activities, DEQ has attended meetings and reviewed documents and reports.

### **Community Soils Operable Unit**

The plan for implementation of the Community Soils Operable Unit (CSOU) Record of Decision (ROD) Modification was finalized between the Agencies, AR and Anaconda / Deer Lodge County (ADLC). DEQ also participated in discussions between the EPA and AR on the current and future status of remedial projects and Institutional Controls (ICs). Several key issues concerning ICs remain to be resolved between the Agencies. ADLC suspended discussions on ICs and settlement terms with AR. DEQ continued to meet with AR and EPA to discuss items that need to be addressed prior to initiating Consent Decree negotiations; progress continues to be made. In support of these and other activities, DEQ reviewed relevant technical documents, offering opinions and suggestions.

### **Documents Received and/or Reviewed**

- Final Historic Railroad Beds and Commercial/Industrial Areas Construction Completion Report (CCR): July 2014
- Community Soils Operable Unit, Anaconda Smelter Superfund Site: Administrative Order for Remedial Action, EPA Docket No. CERCLA-08-2002-08. June 2014 Monthly Report: July 2014
- Draft Final Community Soils Operable Unit (CS OU) Residential Soils and Attic Dust Remedial Action Work Plan/Final Design Report and SAP Annotated Outlines, ARCO, August 2014
- Community Soils Operable Unit, Anaconda Smelter Superfund Site: Administrative Order for Remedial Action, EPA Docket No. CERCLA-08-2002-08. July 2014 Monthly Report, ARCO, August 2014
- Approval with comments on the Community Soils Operable Unit (CSOU) Residential Sols and Attic Dust Remedial Action Work Plan/Final Design Report and SAP Annotated Outlines dated August 15 2014, EPA, September 2014
- August 2014, Monthly Report. Community Soils Operable Unit, Anaconda Smelter Superfund Site: Administrative Order for Remedial Action, EPA Docket No. CERCLA-08-2002-08, ARCO, September 2014

### Travel and Site Visits

DEQ staff did not travel to the site during the reporting period.

### Meetings with EPA staff and others

September 2 Meeting with EPA to discuss AR comments to the Agencies outline of the Remedial Action Work Plan (RAWP) for the removal of lead from residential yards.

### Old Works Operable Unit

No construction activities were conducted during the quarter. As in the four previous quarters, talks continue on issues concerning funding for the Old Works Golf Course. Anaconda and Deer Lodge County continued negotiations with AR regarding financial support for the golf course through the first half of the quarter before discontinuing talks for the remainder of the quarter. In a supportive role, DEQ participated in talks with EPA, AR and ADLC concerning this matter, prior to suspension of discussions by ADLC.

### Documents Received and/or Reviewed

- EPA and DEQ Approval of ARCO's Facility Sampling Individual Site Investigation Report (ISIR) for PRLU (SMHL-028) dated May 2014, EPA, July 2014
- EPA and DEQ approval of ARCO's Facility Sampling Individual Site Investigation Report for PRLU (OWSR-014.08) dated May 2014, EPA, July 2014
- Final Old Works Golf Course (OWGC) Lake #2 Liner Repair Remedial Action Work Plan/Final Design Report (RAWP/FDR) Work Plan Completion Form, ARCO, July 2014
- June 2014 Monthly Progress Report Old Works/East Anaconda Development Area Operable Unit Remedial Action Order no. CERCLA-VIII-94-08, ARCO, July 2014
- Operational & Functional (O&F) Evaluation of the Northwoods Enterprises Properties in Subarea 4b of the Old Works/East Anaconda Development Area dated June 9 2014, ARCO, July 2014
- Operational & Functional (O&F) Evaluation of the AWARE, Inc. property in the Old Works Industrial Area dated June 9 2014, EPA, July 2014
- Operational & Functional (O&F) Evaluation of ADLC properties in Subarea 4 of the Old Works/East Anaconda Development Area dated June 9 2014, EPA, July 2014
- Operational and Functional (O&F) Evaluation of 2011 ALDC Properties in the Old Works Industrial Area, dated June 9, 2014, EPA, July 2014
- Draft Final Old Works- Arbiter Industrial Complex (AIC) Remedial Action (RA) - construction completion Report comments provided by EPA/DEQ, EPA, July 2014
- July 2014 Monthly Progress Report Old Works/East Anaconda Development Area Operable Unit Remedial Action Order No. CERCLA VIII-94-08, ARCO, August 2014



- August 2014 Monthly Progress Report Old Works/ East Anaconda Development Area (OW/EADA) Operable Unit (OU) Remedial Action, ARCO, September 2014

#### Travel and Site Visits

DEQ staff did not travel to the site during the reporting period.

#### Meetings with EPA staff and others

- August 11 Meeting with EPA and ADLC on financial problems with the Old Works Golf Course
- August 20 Meeting with EPA and ADLC on the Old Works Golf Course finances

#### Anaconda Regional Water, Waste, and Soils Operable Unit

As in the previous quarter, minor punch list items related to the treatment of the Milltown Sediments are ongoing. Work on removal of the Yellow Ditch resumed and is ongoing. Work on the Blue Lagoon Outwash was initiated. Technical discussions between the Agencies and AR continue to result in completion of additional portions of the Site Management Plan. As in the previous quarter, work continued on the Surface Water and Groundwater Management Plans, as well as work on the Institutional Controls Plan, with substantial progress being made on the Surface Water Management Plan. Considerable difference remains between AR and the Agencies as to AR's responsibility regarding domestic well replacement/domestic water source treatment as related to naturally occurring arsenic. Discussions are ongoing. Completion of all aspects of the Site Management Plan (SMP) is necessary before formal Consent Decree negotiation can begin. In support of these and other activities, DEQ reviewed reports, attended meetings while offering opinions concerning these matters, and acted in a supporting role during EPA's talks with AR and ADLC.

#### Documents Received and/or Reviewed

- Endangered Species Act-Section 7 Consultation Biological Opinion on the Effects to Bull Trout and Bull Trout Critical Habitat From the Implementation of Proposed Actions Associated with the Remedial Design Unit 10 Warm Springs Creek Remedial Actions 2014, US EPA and US FWP, July 2014
- EPA and DEQ approval of ARCO's Facility Sampling ISIR for PRLU (WGAL-00August.01) dated May 2014, EPA, July 2014
- Draft Final Remedial Design Unit (RDU) 5 Blue Lagoon Washout Remedial Action Construction Design Memorandum, ARCO, July 2014
- Draft Final 2013 Vegetation Monitoring Annual Report, Anaconda Regional Water and Waste, ARCO, July 2014
- Approval of Draft Final RDU 5 - South Parcel of the East Anaconda Yards- Construction Completion Report dated February 2-August 2014 with comments, EPA, July 2014

- June 2014 Monthly Progress Report Anaconda Regional Water, Waste and Soils Operable Unit Remedial Actions, ARCO, July 2014
- Approval of Atlantic Richfield's Draft Final RDU 5 Blue Lagoon 2012/2013 Remedial Action Construction for Railroad and Private Property- Construction Completion Report (CCR) with comments, EPA, July 2014
- Facilities Sampling PRLU (FT-00August.04) Individual Site Work Plan, ARCO, July 2014
- Facilities Sampling PRLU (FT-00August.0July) Individual Site Work Plan, ARCO, July 2014
- RDU 9 - Lower Willow Creek 2012/2013 RA Construction Completion Report, ARCO, July 2014
- Draft Final Anaconda Smelter NPL Site ARWWS OU 2013 Groundwater Monitoring Program, Montana Bureau of Mines and Geology (MBMG), August 2014
- Draft Launderville Confirmation Quality Assurance Project Plan, ARCO, August 2014
- EPA and DEQ approval of ARCO's Facilities Sampling ISWP for PRLU (WGAL-3.2August) dated May 2014, EPA, August 2014
- Draft Final Smelter Hill Facilities Area Remedial Design Unit (RDU) 14 Remedial Action Work Plan/Final Design Report (RAWP/FDR) Storm Water Controls Remedial Action (RA) Construction Completion Report, ARCO, August 2014
- Final Opportunity Ponds Remedial Design Unit (RDU) August Groundwater Surface Water Management System Shakedown Report, ARCO, August 2014
- EPA and DEQ approval of ARCO's Facilities Sampling ISWP for PRLUs (SMHL-55.06 and SMHL-55.0July) dated June 2014, EPA, August 2014
- EPA and DEQ approval of ARCO's Facilities Sampling ISWP for PRLU (SHOP-00August) dated June 2014, EPA, August 2014
- EPA and DEQ approval with comment of ARCO's Facilities Sampling ISIR for PRLU (FT-9.11) dated June 2014, EPA, August 2014
- EPA and DEQ approval with comment of ARCO's Facilities Sampling ISIR for PRLU (LTCK-1July.01) Dated May 2014, EPA, August 2014
- EPA and DEQ approval with comment of ARCO's Facilities Sampling ISIR for PRLU (WGAL-3.29) dated May 2014, EPA, August 2014
- EPA and DEQ approval of ARCO's Facilities Sampling ISWP for PRLU (WGAL-00July.01) dated May 2014, EPA, August 2014
- EPA and DEQ approval of ARCO's Facilities Sampling ISWP for PRLU (WGAL-006.06-A) dated May 2014, EPA, August 2014
- EPA and DEQ approval with comment of ARCO's Draft Work Plan for Visible Tailings/Soil Removal from BNSF and MDOT Rights-of-Way within RDU August dated July 29 2014, EPA, August 2014

- EPA and DEQ approval of ARCO's Facilities Sampling ISIR Report for PRLU (WGAL-001.02) dated April 2014, EPA, 2014
- EPA and DEQ support of the recommended removal actions identified in the Final Engineering Evaluation/Cost Analysis (EE/CA) for the Georgetown Railroad in Beaverhead-Deer Lodge National Forest, dated July 30 2014, EPA, August 2014
- EPA and DEQ approval of ARCO's RDU 5 Blue Lagoon Washout Request for Change (RFC) No. RDU 5 2014-I, dated July 29, 2014, EPA, August 2014
- Atlantic Richfield Responses to the Agencies Comments to the Final RDU 5 Active Railroads/Blue Lagoons Remedial Action Work Plan/Final Design Report ARWWS OU Anaconda Smelter NPL Site dated August 31, 2006, ARCO, August 2014
- ARWWS Operable Unit Remedial Actions: July 2014 Monthly Progress Report, ARCO, August 2014
- Opportunity Ponds RDU August RFC #41, ARCO, August 2014
- EPA and DEQ review of the Terms and Conditions of Warm Springs Creek Biological Opinion with Agreement and Proposal, EPA, September, 2014
- Individual Site Work Plans (ISWP), August 2014 - Georgetown Railroad (GTRR) Bed Site Beaverhead-Deer Lodge National Forest, Deer Lodge County, Administrative Settlement Agreement and Order on Consent for Site Investigation and Engineering Evaluation/Cost Analysis, ARCO, September 2014
- EPA and DEQ's approval with commentary of ARCO's Draft Final RDU 14 - Smelter Hill Facilities Storm Water Controls Remedial Action (RA) Construction Completion Report (CCR) dated August 20, 2014, EPA, September 2014
- Agency comments on the proposed Final Engineered Controls Inspection and Maintenance (I&M) Plan, Revision 1, dated February 2013, EPA, September 2014
- Agency approval of the Anaconda Smelter NPL Site Draft Launderville Confirmation Quality Assurance Project Plan (QAPP) dated August 29, 2014, EPA, September 2014
- Monthly Progress Report, August 2014, for the ARWWS OU RAs for the Flue Dust, Opportunity Ponds, Stucky Ridge Area 4, Aspen Hills Loop Track, Smelter Hill Facilities, Anaconda Active Railroads, Blue Lagoon, Fluvial Tailings, North and South Opportunity Uplands and the West Galen Expansion Area, ARCO, September 2014
- Final Remedial Design Unit (RDU) 5 Blue Lagoon Washout Remedial Action Construction Scope of Work (SOW), ARCO, September 2014
- Comments on Atlantic Richfield's Vegetation Monitoring Annual Report and a Summary of 2014 Operational and Functional Inspections, CDM Smith, September 2014
- Final Opportunity Ponds Remedial Design Unit (RDU) 8 Groundwater and Surface Water Management System Operation, Maintenance, and Monitoring Plan, ARCO, September 2014

- Agency comments on the Draft Land Management Plan (LPM) for Atlantic Richfield owned Smelter Hill Waste Management Area (WMA) and High Arsenic Area (HAA) dated February 6, 2014, EPA, September 2014
- Smelter Hill Facilities Area RDU 14 - Request for Change RFC) RDU 14-2014-01, ARCO, September 2014

#### Travel and Site Visits

DEQ staff did not travel to the site during the reporting period.

#### Meetings with EPA staff and others

July 22	Meeting with EPA to discuss the groundwater study conducted by AR
July 25	Meeting with EPA and ADLC to discuss general site issues
July 29	Meeting with EPA and AR to discuss divergent views of the results of studies by both the Montana Bureau of Mines and Geology (MBMG) and AR on the occurrence of naturally-occurring arsenic in groundwater
July 30	Meeting with AR, ADLC and EPA on overall progress in moving forward to formal Consent Decree negotiations
August 6	Meeting with EPA on the AR obligation for domestic well replacement
August 22	Meeting with ADLC and EPA on the Warm Springs Biologic Opinion as well as the proposed Request for Change proposed by AR on the Launderville Remedial Action
September 4	Meeting with AR and EPA for an update on the surface water Technical Impracticability evaluation
September 5	Meeting with EPA and AR to discuss the Terms and Conditions section of the Warm Springs Creek Biologic Opinion produced by the United States Fish and Wildlife Service (USFWS)
September 10	Meeting with EPA, and ADLC on progress in moving toward formal Consent Decree negotiations
September 29	Meeting with EPA, AR and the USFWS to clarify the meaning of the Terms and Conditions section of the Warm Spring Creek Biologic Opinion

#### **BARKER-HUGHESVILLE MINING DISTRICT SITE**

The Barker-Hughesville Mining District (BHMD) Superfund Site is located 12 miles east of Monarch, Montana in the Little Belt Mountains and was added to the National Priorities List in September 2001. EPA is the lead agency for this site and DEQ is the support agency. The US Forest Service (USFS) is a participant and the largest landowner within the site boundary. The BHMD includes approximately 45 abandoned mines; sixteen of which have been identified as Tier 1 sources for surface water contamination from acid mine drainage. Native soils, waste rock, tailings, stream sediments, and surface water data indicate surface water impacts from historical mining activities. Contaminants of concern include heavy metals associated with the mining industry (e.g., arsenic, cadmium, copper, lead, mercury, zinc).

DEQ Fourth Quarter FFY 2014 expenses were for technical review and correspondence, attending meetings, indirect charges, and site visits. Beginning in January 2012, the EPA Remedial Project Manager (RPM) Roger Hoogerheide initiated bi-monthly project meetings with DEQ, USFS, CDM-Smith staff and US Fish and Wildlife Services (USFWS) staff sometimes attended these meetings. Steve Way, EPA Removal Program On-Scene Coordinator (OSC), periodically calls into the meeting when overlapping Removal/Remedial program issues and/or concerns are on the meeting agenda. Five project meetings occurred during the reporting period and one feasibility study meetings. A site-wide fact sheet, written by the agencies and distribute to the public during the previous reporting period and a project update meeting for the Cascade Co. Commissioners was held in May.

Documents received and/or reviewed:

- Correspondence from EPA, USFS, and other letters, emails, and meeting notes
- Progress reports and correspondence from the Doe Run Company and Barr Engineering
- Draft Remedial Investigation Report, Barker-Hughesville Mining District Superfund Site, Cascade and Judith Basin Counties, Montana, July 2014 (CDM)

Removal Action –Block P Mine Complex (Doe Run Company)

- EPA, DEQ, and USFS reviewed the annual monitoring report from the Doe Run Company during the previous reporting period and provide comments during the reporting period.

Remedial Action – Orphan Share mines and Streamside waste (Galena Creek)

- The Orphan Share mines make up the remaining mines in the district. An estimated 97,000 cubic yards of mine waste materials and 300,000 cubic yards of streamside tailings waste in Galena Creek will be address by EPA and DEQ.
- The EPA has assigned CDM Smith to collect additional data for the Remedial Investigation (RI) and write the RI report. The site-wide draft RI report was submitted to the agencies for review during the reporting period and agency comments will be provided in November or December 2014.
- EPA and DEQ continued Feasibility Study meetings during the reporting period.

Travel and Site Visits

July 22	Site visit with Steve Way, EPA-OSC, to inspect Doe Run's reclamation work at the Block P Mine site but travel expenses (vehicle fuel) were charged to the CSCMD project.
August 27	Site visit to inspect Doe Run's reclamation work at the Block P Mine site but travel expenses (vehicle fuel) were charged to the CSCMD project.
September 9	Site visit with the EPA-RPM, Roger Hoogerheide, to inspect Doe Run's reclamation work at the Block P Mine site but travel expenses (vehicle fuel) were charged to the CSCMD project.

## **BASIN MINING AREA**

EPA is the lead agency for conducting the RI/FS and Remedial Design/Remedial Action (RD/RA) at the Basin Mining Area NPL Site (Basin). The State of Montana Basin Creek Mine Site reclamation bond and general obligation bond activities constitute remedial action under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This work is eligible for credit towards Montana's cost share.

### **Town of Basin OU 1**

The RD/RA was completed for OU 1 in December 2004, and the First Five-Year Review Report was finalized in May 2008. The EPA, DEQ, and CH2MHill completed the field inspection for the second five-year review. The DEQ has completed the Applicable or Relevant and Appropriate Requirements (ARAR) analysis for the second five-year review. The EPA and the DEQ completed the interviews of local residents for the second five-year review.

#### **Documents Received and/or Reviewed**

Nothing received during the reporting period.

#### **Travel and Site Visits**

DEQ staff did not travel to the site during the reporting period.

### **Basin Watershed OU 2**

EPA has postponed remedial activities since 2005 for the OU as a whole, but began focused Engineering Evaluation/Cost Analysis (EE/CA) for adit discharges from the Crystal and Bullion Mines in 2008; the RI/FS's for the same mines were completed in early 2014. EPA and DEQ are currently evaluating source control as part of the remedy. The focus for 2011, 2012, and 2013 has been a RI/FS for the Crystal Mine Site, now identified by EPA as OU 5 and a RI/FS for the Bullion Mine, identified as OU 6. DEQ expenses included review of the draft RI/FS's and the draft interim ROD's, for the Crystal and Bullion Mines, and discussions with EPA and CH2MHill in regards to various Acid Mine Discharge (AMD) source control options for both OU5 and OU6. The evaluation of potential surface water source control options and groundwater source control options for Crystal and Bullion AMD has been limited by shortage of funding; the various AMD source control options need to be evaluated as part of the remedy for OU5 and OU6. The DEQ reviewed and commented upon the proposed remediation plans for OU5 and OU6 and upon the proposed interim RODs for OU5 and OU6.

#### **Documents Reviewed/Prepared:**

- Develop comments on the draft Bullion Interim ROD (EPA, April 2014).
- Review and develop comments on the draft Crystal Interim ROD (EPA, May 2014).
- Submit comments to EPA on the draft Interim RODs for Crystal and for Bullion.
- Review the Crystal action memo for closure of the sludge ponds (EPA, July 2014).
- Review trenching locations for surface water diversions at Crystal and Bullion.

- Review and comment on the EPA summary of the Crystal and Bullion Interim ROD issues (EPA, September 2014).
- Review the final Interim RODs for Crystal and Bullion (EPA, September 24, 2014).
- Review and comment on the September 29, 2014 version of the Crystal and Bullion Interim RODs.

Activities, travel, meetings, field work:

July 1	Evaluate semi-passive treatment pilot test at Crystal.
July 2	Develop source control options for Bullion.
July 7	Meet EPA and CH2MHill to review the status of Crystal and Bullion.
July 8	Meet EPA, CH2MHill, USFS, and contractor at Bullion to review AMD source control options.
July 10	Review Crystal and Bullion source control options.
July 15	Inspect Bullion and Crystal for options to divert surface water from the mine workings.
July 17	Determine elevations for surface water and ground water diversion options for Crystal and Bullion.
July 21	Meet EPA and CH2MHill to review the Crystal and Bullion interim RODs.
July 29	Review surface water and subsurface water diversion options for Crystal and Bullion.
July 31	Meet EPA, USFS, and CH2MHill at Crystal and Bullion to review the 2014 response action work and to review treatment plant location options.
August 7	Field review of surface water diversion options at Crystal and Bullion.
August 13	Review the response actions at Crystal and Bullion.
August 18	Review the status of Bullion and Crystal with EPA and CH2MHill.
August 19	Inspect Bullion and Crystal response action progress.
August 26	Inspect sludge removal project at Crystal.
August 28	Review the Crystal and Bullion Interim RODs with EPA and CH2MHill.
September 9	Inspect sludge removal project at Crystal with EPA and the contractor.

**BN SOMERS SITE**

The DEQ Project Officer received and reviewed Potential Responsible Party (PRP) and EPA correspondence, and progress reports related to the project. DEQ maintained files as appropriate. DEQ personnel continue to maintain a web-page on DEQ site for Burlington Northern (BN) Somers. Because the Site isn't officially recognized as a cleanup by any program and doesn't meet the definition of an alternative cleanup, EPA doesn't have any information of the Somers cleanup on the web. This site on the DEQ website is being used by both EPA and DEQ as an electronic repository for public documents related to the BN Somers site

Various email communications were exchanged during the quarter to discuss the ongoing additional data collection. The Agencies are requiring that BN conduct additional characterization work to better define the extent of both product and dissolved phase contamination. Additional monitoring wells had previously been installed to more fully define the nature and extent of the groundwater plume. BNSF installed three additional 4-inch casing

monitoring/recovery wells in September 2014 (S-14-1S, S-14-2S, and S-14-3S). Approximately 5 gallons of NAPL was removed from each S-14-2S and S-14-3S in September. Various email communications were also exchanged between DEQ and EPA regarding revised Remedial Action Objectives and ARARs to guide the development of the Focused Feasibility Study to be prepared by BNSF.

#### Documents Received and/or Reviewed

- Revised Groundwater Treatment System Interim Monitoring Plan – Creosote Accumulation Addendum for the BNSG Former Tie Treatment Plant, Somers, Montana, July 9, 2014
- Somers Progress Report for 2<sup>nd</sup> Quarter 2014 and June 2014 Progress Report, July 10, 2014
- Biosparging Pilot Study Work Plan for the BNSF Former Tie Treating Plant, Somers, Montana, July 17, 2014
- Somers July 2014 Progress Report, August 8, 2014
- Response to USEPA Comments and Revised Biosparging Pilot Study Work Plan for the BNSF Former Tie Treating Plant, Somers, Montana, August 18, 2014
- DRAFT Outline – Somers Former Tie Treating Plant Focused Feasibility Study, August 18, 2014
- Response to USEPA Comments and Revised Work Plan for the BNSF Former Tie Treating Plant, Somers, Montana, August 20, 2014
- Somers August 2014 Progress Report, September 9, 2014
- BN Somers – Preliminary Remediation Goals for Human Health memorandum prepared by CDM Smith for EPA, September 17, 2014

#### Travel and Meetings

July 7 – 9	Traveled to the site for project oversight of groundwater sampling.
August 25 – 27	Traveled to site for project oversight of Biosparging Pilot Study well installation, and initial Monitoring and Remediation Optimization System (MAROS) assessment conducted by BNSF and its consultants (Aecom, TRC, and GSI).
September 18 – 19	Traveled to site for project oversight of the completion of the Biosparging Pilot Study and start-up; meet with Flathead Land Trust regarding concerns related to the erosion of the north shore of Flathead Lake.

#### CARPENTER - SNOW CREEK MINING DISTRICT SITE

The Carpenter/Snow Creek Mining District Site (CSCMD) is located near and includes the town of Neihart, Montana in the Little Belt Mountains. The CSCMD site was added to the National Priorities List in September 2001. EPA is the lead agency for the CSCMD site and DEQ is the supporting agency providing management assistance. The CSCMD site contains 96 abandoned mines, 26 of which have been identified as Tier 1 sources of arsenic, lead, cadmium, and other heavy metal contaminants that pose a risk to human health and the environment. Surface water



and soils have been impacted by historical mining activities. A Record of Decision for the Town of Neihart OU-1 was issued on May 19, 2009 by EPA with concurrence by DEQ.

DEQ Fourth Quarter FFY 2014 expenses were for technical review and correspondence, attending meetings, accrued leave, and indirect charges. In June 2011, DEQ, using funding provided by EPA, contracted with Tetra Tech, Inc. EMI Unit to have them assist EPA and DEQ with additional RI sampling/data collection and RI report writing. The funding and work continued throughout 2012, 2013 and will continue through 2015; the final RI report should be completed in late 2014.

Beginning in January 2012, the EPA RPM Roger Hoogerheide initiated bi-monthly project meetings with DEQ, USFS, PWT (consultant to EPA) and Tetra Tech, Inc. EMI Unit (consultant to DEQ) staff. USFWS and FWP staff also attended these meetings when fisheries issues are on the meeting agenda. Meetings continued during the reporting period. Steve Way, EPA-OSC, periodically calls into the meeting when overlapping Removal/Remedial program issues and/or concerns are on the meeting agenda. Five project meetings occurred during the reporting period and three removal action meetings. A site-wide fact sheet was prepared and distributed during the previous reporting period and a project update meeting for the Cascade Co. Commissioners provided by EPA, DEQ and USFS staff was held in May.

Documents received and/or reviewed:

- Correspondence from EPA, USFS, and other letters and emails
- Draft Repository RI/FS Report, June 2014 (Tetra Tech)
- Draft Repository Construction Design Report, June 2014 (Tetra Tech)
- Draft Removal Action Design Report, July 2014 (Tetra Tech)
- Draft Repository Proposed Plan, July 2014 (Tetra Tech)
- Final Repository RI/FS Report, August 2014 (Tetra Tech)
- Final Repository Construction Design Report, August 2014 (Tetra Tech)
- Final Removal Action Design Report, August 2014 (Tetra Tech)
- Final Repository Proposed Plan, August 2014 (Tetra Tech)
- Draft Repository ROD, August 2014 (Tetra Tech)

Town of Neihart (OU-1)

- EPA has assigned PWT the task of collecting the remaining remedial design data and drafting the remedial design report for the Town of Neihart (OU-1).
- EPA and DEQ decided not to have the yard removal design report completed in early 2012 and will likely wait until 2014 to finish the designs and wait until 2015 to start yard removals after a final determination on the repository location is made in 2014.

Watershed – Carpenter and Snow Creeks (OU 2 & 3)

- EPA has asked DEQ to assist with collecting supplemental RI/FS data needed to complete the RI (new additional data EPA is not collecting) and start the FS effort. DEQ assigned the task to Tetra Tech and the 2014 field work began in mid-March.

- EPA, ESAT-TechLaw, DEQ, FWP, and Tetra Tech collected additional RI site characterization data (2013 field work) during the previous reporting period and made the data available during the reporting period. The final site RI report should be completed in 2014.
- EPA is working on a Potential Responsible Party report for the watershed mines and discussions with the PRPs, DEQ and USFS are on-going and will continue in 2014 and into 2015.
- Tetra Tech staff continued writing the site-wide draft RI report during the reporting period.
- Tetra Tech staff worked and delivered draft copies for agency review of the repository RI/FS, Proposed Plan and ROD and the repository construction design during the reporting period.

#### Travel and Site Visits

July 22	Site visit with the RPM, the OSC and EPA's Construction Contractor, and the Tetra Tech staff to discuss the 2014 removal action plans.
August 7	Neihart Public Meeting with EPA to discuss the Repository Site Proposed Plan.
August 11-15	Albuquerque, NM to attend the EPA National Conference on Mine Influenced Waters
August 21	Removal Action oversight
August 27	Removal Action oversight
Sept. 9	Removal Action oversight
Sept. 16	Removal Action oversight
Sept. 23	Removal Action oversight
Sept. 25	Removal Action oversight and site tour for other DEQ staff
Sept. 30	Removal Action oversight

#### EAST HELENA SITE

The East Helena NPL Site is the location of a lead and zinc smelter operated by Asarco Inc. for over 100 years. The EPA listed the site on the NPL in 1983. Additionally, the EPA and DEQ Resource Conservation and Recovery Act (RCRA) programs administer the smelter facility including groundwater and surface soils. RCRA activities within the Asarco facility are outside the scope of this cooperative agreement application. EPA manages contaminated smelter off-site soils through CERCLA. DEQ management assistance commitments include the off-site soils and coordination with RCRA actions. The Asarco shut down the facility in April 2001. EPA issued a Record of Decision in September 2009 without state concurrence.

#### Residential Soils Remedial Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following post ROD activities during the quarter:

- Participated in monthly Lead Program advisory meetings.

- Communicated with the LCC's Lead Program staff on the status of their public education efforts.
- Reviewed e-mails about the Lead Program and EPA's Remedial Action Contractor (PWT) about the Remedial Design sampling schedule.
- Assisted PWT and the Lead Program with residential yard soil sample collection.
- Reviewed the Montana Environmental Trust Group's website and reviewed presentation materials.

#### Documents Received and/or Reviewed

- East Helena Remedial Design Residential Soils Sampling QAPP and FSP, EPA, June, 2014

#### Travel and Site Visits

July 15            East Helena, MT, for RD soil sampling  
July 16            East Helena, MT, for Lead Program meeting  
July 24            East Helena, MT, for RD soil sampling  
September 10   East Helena, MT, for Lead Program meeting

#### FLAT CREEK IMM SITE

The Flat Creek IMM site was the result of abandoned historic hard rock mining operations. The Iron Mountain Mine and Mill (IMM) operated from 1909-1930 and from 1947-1953, producing silver, lead, and zinc ores. The site consists of four components: residential soil contamination in the town of Superior, contaminated drinking water sources, abandoned mine and mill properties, and contaminated sediments in and near Flat Creek. Mine tailings from IMM were brought into the town of Superior and used as fill, road base, and driveway material more than 40 years ago. The EPA placed the site on the NPL on September 23, 2009. The Record of Decision for OU1 was finalized on July 3, 2012.

#### Residential Soils Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following activities during the quarter:

- Reviewed the draft Remedial Action Completion Report.
- Reviewed RA Completion Tech Memo.
- Reviewed draft RA Completion Certification.
- Drafted a briefing memo for the Director's signature on the RA Completion certification.
- Provided progress updates to the Superior Technical Assistance Committee.

#### Documents Received and/or Reviewed

- Draft Remedial Action Completion Report, EPA, April, 2014

- Remedial Action Completion Tech Memo, EPA, September 2014
- Draft Remedial Action Completion Certification, EPA, September, 2014

#### Travel and Site Visits

DEQ staff did not travel to the site specifically for this OU during the reporting period.

#### Flat Creek Watershed Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following RI/FS activities:

- Contacted USFS about contractor award for characterization of mine waste on Montana Environmental Trust Group (METG) property.
- Reviewed e-mails about draft access agreements with METG.
- Reviewed draft Sampling and Analysis Plan and provided comments to USFS.
- Called Jim Schultz, adjacent land owner, about accessing his pasture for sampling.
- Responded to e-mails about state standard bid specifications.
- Reviewed e-mail progress reports on field work.
- Met USFS's contractor (MCS) on-site to observe characterization work on METG property.
- Attended a public meeting on the Clark Fork River Tributaries Total Maximum Daily Load (TMDL) for sediments.
- Reviewed TMDL for Flat Creek sediments and the previous TMDL for Flat Creek metals.
- Put together a photo slide show and wrote an e-mail about the TMDL's sampling location in Hall Gulch and requested data.
- Reviewed water quality data from DEQ's TMDL program and wrote e-mail response.

#### Documents Received and/or Reviewed

- Draft Sampling and Analysis Plan for Flat Creek and IMM characterization, USFS, July 31, 2014
- Draft Central Clark Fork River Tributaries Total Maximum Daily Load and Water Quality Improvement Plan, DEQ, June 2014

#### Travel and Site Visits

July 2            Missoula, MT, for TMDL public meeting  
September 22   Superior, MT, for field work observation

#### Flat Creek Wood Gulch Repository Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following RI/FS activities:

- Located the DNRC appraisal report for the Wood Gulch Repository (WGR) parcel and sent information to the DEQ Auditor.
- Mountain Valley Plants called with an update on their weed control efforts at the WGR.

#### Travel and Site Visits

DEQ staff did not travel to the site specifically for this OU during the reporting period.

#### FRENCHTOWN MILL SMURFIT-STONE CONTAINER SITE

The U.S. Environmental Protection Agency (EPA) completed a Preliminary Assessment and Site Inspection at the former Smurfit-Stone Mill in 2012. The mill site was proposed for listing on the National Priority List in May 2013. Soil samples collected from the site indicate that there are multiple contaminants present above background conditions in the surface and subsurface soils at the site. Various dioxin and furan compounds, common byproducts of bleaching operations, were detected in the sludge ponds soils, emergency spill pond soils, and the wastewater storage pond soils. Heavy metals, including Manganese, Arsenic, Lead, Barium, and Cadmium were also detected at the site in the sludge pond soils and emergency spill pond soils. Dioxins and furans have migrated to the sediments of the Clark Fork River and are also present in groundwater. Some PCBs were also found on-site in some of the pond soils during the preliminary investigation.

FWP collected and analyzed fish tissue samples in May 2013. The FWP report indicates that dioxins and PCBs are present in Clark Fork River fish near and immediately downstream of the site. The State of Montana issued a fish consumption advisory for the 104 mile reach of the Clark Fork River upstream and downstream of the site in October 2013.

EPA has postponed NPL listing for this site. EPA received numerous public comments about the site and has not completed their written assessment of all of the public comments, which must be completed before the site may be listed and become a Federal Superfund Site. DEQ staff activities for the Fourth Quarter of FFY 2014 regarding the Frenchtown Mill site focused on discussions and correspondences (mostly emails) with EPA staff and others. DEQ staff had one meeting with the current landowner during the reporting period to discuss the superfund process.

#### Travel, Site Visits, and Meetings

July 9            Missoula, MT – meeting with Steve Malsam (Wakefield/M2Green)

#### IDAHO POLE SITE

The DEQ Project Officer received and reviewed PRP and EPA correspondence, and progress reports related to the project. DEQ maintained files as appropriate.

DEQ and EPA have been communicating with Northwestern Energy about its upcoming plans for extending natural gas pipelines through the area encompassed by the Controlled Groundwater Area, for upgrading its substation, and for the requirements that will be involved for potential dewatering as it may impact the contaminant plume. As part of this coordination and in preparation for installation of some footings later in the year, NorthWestern Energy installed a test pit in the substation yard and collected samples to characterize the potential for soil and/or groundwater contaminants in that area.

Additionally, the responsible parties are working on the characterizations necessary to conduct a pilot scale test in 2014 to evaluate means by which the path to cleanup may be accelerated. In the spring, drilling activities uncovered additional areas where soil contamination was much greater than anticipated; as a result, the pilot scale test was postponed until the area could be better characterized and a strategy to address this additional contamination developed. During this quarter, a geoprobe was used to collect additional data. Results from this sampling should be reported in the next quarter.

#### Documents Received and/or Reviewed

- Northwestern Energy sample results, July 11, 2014
- Idaho Pole Company – In situ Enhanced Aerobic Degradation Pilot Study Work Plan – Amendment – Bark Fill Investigation, Hydrometrics, July 15, 2014
- Agency comments on Amendment to IPC Pilot Study Work Plan – Bark Fill Area Investigation, July 23, 2014
- Idaho Pole Company – In Situ Enhanced Aerobic Degradation Pilot Study Work Plan – Amendment – Bark Fill Investigation, Final, Hydrometrics, July 30, 2014
- Idaho Pole Site Semi-Annual Progress Report – January through, June 2014, Hydrometrics, July 31, 2014
- Agency Approval of the Idaho Pole Site Semi-Annual Progress Report – January through June 2014, August 8, 2014
- Letter of Concern – NorthWestern Energy Proposed Gas Line Replacement, Mary Gail Sullivan to Ashley Kroon, August 19, 2014
- East Gallatin Auto Substation, IPC NPA Site, Technical Memorandum Footing Installation, NorthWestern Energy, August 27, 2014
- Agency Approval for the installation of seven footing structures at the East Gallatin Auto Substation, August 27, 2014
- East Gallatin Auto Substation, IPC NPL Site, Technical memorandum Circuit 21 UG Get Away Cable Replacement, September 15, 2014
- Email RE Underground Cable Replacement, East Gallatin Substation, Roger Hoogerheide to Benjamin Sorensen, Lisa DeWitt, September 16, 2014

#### Travel and Site Visits

July 8            Bozeman, MT, to the site to oversee test pit excavation activities conducted by NorthWestern Energy

August 13-15   Bozeman, MT, to the site to oversee geoprobe and sampling activities

## **LIBBY GROUNDWATER SITE**

The DEQ Project Officer received and reviewed monthly progress reports from the PRP, and related EPA correspondence. DEQ maintained files as appropriate

DEQ participated in conference calls and meetings regarding the progress on the ongoing additional work requirements and proposed pilot scale work plans for the Libby Ground Water Site Upper Aquifer. Discussions regarding groundwater institutional controls were also held with International Paper and with the Lincoln County Board of Health.

### **Documents Received and/or Reviewed**

- In Situ Bioremediation (ISB) meeting follow-up email, David Cosgriff to Kathryn Hernandez, Lisa DeWitt, Andrew Schmidt, Erin Trail, July 25, 2014
- Agency comments on draft work plan for Libby Groundwater Superfund Site, July 31, 2014

### **Travel and Site Visits**

August 4-6 Libby, MT, meeting with the Board of Health to discuss groundwater controls and technical team meeting.

### **Meetings with EPA staff and others**

August 5 Meeting with EPA, DEQ, International Paper, and their contractors to discuss additional work requirements and upcoming pilot test work.

## **LOCKWOOD SOLVENT GROUNDWATER PLUME SITE**

EPA listed the Lockwood Solvent Groundwater Plume Site (LSGPS) on December 1, 2000. DEQ and EPA issued the Record of Decision in August 2005. EPA resumed lead management of the site thereafter. DEQ initiated management assistance activities under the MSCA in September 2006 anticipating closeout of the site specific Lockwood Cooperative Agreement (V-98838501-0).

### **Documents Received and/or Reviewed**

- Review ROD (DEQ, 2005).
- Review revised addendum #1 to the OU2 RDA work plan (CardnoATC, July 2014)
- Review and comment on the June 2014 OU2 Monthly Progress Report (CardnoATC, July, 2014).
- Review and comment on the July 2014 OU2 Monthly Progress Report (CardnoATC, August, 2014).
- Review and comment on the August 2014 OU2 Monthly Progress Report (CardnoATC, September, 2014).
- Review the OU1 soil boring QAPP (PWT, July 2014).

Activities, Travel, Meetings, Field Work:

July 28 Billings. Meet with CardnoATC, EPA and drilling contractor; confirmed the locations of the OU2 source definition wells.

**MILLTOWN RESERVOIR SEDIMENT SITE**

Remedial Action (RA) construction activities began on June 1, 2006 and RA construction was completed in early May, 2012. Over 3,000,000 tons of contaminated sediments have been mitigated by removal from the former reservoir site and floodplain area and safely placed in engineered repositories. EPA and DEQ completed the first Five Year Review (FYR) in September 2011 and provided a copy to the public. A second Five Year Review Report will be completed by September 2016. The final construction completion and repository inspection took place in June 2012.

DEQ staff activities for the Fourth Quarter of FFY 2014 regarding the Milltown Reservoir Sediments site focused on discussions and correspondences with the EPA, the Natural Resource Damage Program and others. The Annual On-site Operations and Maintenance Inspection took place during the reporting period

Documents received and/or reviewed:

- DEQ did not receive any reports to review during the reporting period.

FWP Fish and Macroinvertebrate Monitoring

- The 2014 FWP fieldwork began in April and will continue thru the next reporting period. The final report should be completed in early 2015.

Travel, Site Visits, and Meetings

July 17 Annual On-site Operations and Maintenance Inspection

**MOUAT CHROMIUM SITE**

The Mouat Industries site in Columbus, Montana is the location of a former chromium processing plant operated from 1957-1973. Investigations conducted between 1977 and 1992 identified elevated chromium levels in the soil, surface water, and groundwater. The EPA placed the site on the NPL in June 1986.

FMC completed soil excavation and treatment of the source area in 1993 –1995. Atlantic Richfield Company completed groundwater and surface water monitoring of the chromium plume from 1996-2003. Atlantic Richfield and EPA sought to delist the site in 2005. EPA agreed to additional investigation of the treated blocks and the source area groundwater by DEQ.



With DEQ and EPA field oversight, the Montana Bureau of Mines and Geology (MBMG) completed the ground water and soils investigation work in May-June 2007.

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following activities during the quarter:

- Reviewed e-mail with preliminary groundwater sampling results which exceeded a trigger.
- Sent an e-mail about revisions to the schedule for resampling the groundwater sooner in the fall.
- Wrote a draft task order for MBMG to continue annual groundwater monitoring. Incorporated MBMG's edits to the draft task order and reviewed their draft budget estimate. Finalized the task order.

#### Travel and Site Visits

DEQ staff did not travel to the site during the reporting period.

#### SILVER BOW CREEK/BUTTE AREA SITE

##### Butte Mine Flooding Operable Unit (BMFOU)

DEQ continued its involvement in all post-ROD activities. Post-ROD monitoring activities include review of migratory bird monthly reports, monthly water level monitoring reports, pertinent historic documents, and responses to public inquiries. DEQ has been involved with overseeing the operation of the Horseshoe Bend Water Treatment Plant (HSB WTP) by the PRPs, which the PRPs completed in November 2003. For the Travona/West Camp, DEQ activities included tracking water levels and pumping activities.

Other DEQ site activities include:

- Had discussions with the Montana Bureau of Mines and Geology (MBMG) and DEQ legal and fiscal staff about the draft Agreement between the agencies. Reviewed the draft Agreement.
- Wrote a draft task order for MBMG to continue to implement the Monitoring Program. Reviewed MBMG's draft budget estimate.
- Had discussions with MBMG and EPA about the Moulton Reservoir Road domestic well sampling and reviewed the 2012 water sample results. (MBMG subsequently secured funding for continued monitoring of these wells from the Groundwater Assessment Program.)
- Reviewed the West Camp Critical Water Level draft Data Summary Report and related e-mails.
- Participated in a site tour of the Berkeley and Continental Pits, HSB WTP, Yankee Doodle Tailings Dam with EPA, Atlantic Richfield and Montana Resources (MR).

- Participated in a project update meeting with EPA, Atlantic Richfield and MR regarding the 10-year evaluation schedule for the HSB WTP.
- Reviewed the draft Berkeley Pit Slope Stability Evaluation Report.
- Had discussions about the concrete crack found in the bottom of Reactor Tank #1 during scheduled maintenance activities and the dewatering wells installed to repair the concrete crack.
- Reviewed the draft BMFOU Consent Decree Second Quarter 2014 Report and sent a response e-mail.
- Reviewed the Financial Assurance letter and related e-mails.
- Reviewed e-mails regarding the SBC/Butte Area Five-year review site tour schedule.
- Reviewed MBMG's proposal to DNRC Reclamation and Development Grant for resource recovery from Berkeley Pit water and wrote e-mails about the proposal.
- Reviewed a letter from Dirk Adams about the Berkeley Pit and wrote a draft response letter for the Director's signature. Sent final signed letter to EPA.
- Reviewed e-mail response to an inquiry from National Geographic and provided edits.
- Responded to inquiries about the HSB WTP discharge standards and about Berkeley Pit pH.
- Updated a PowerPoint presentation on Butte Mine Flooding and presented it to the Water Pollution Control Advisory Committee.

#### Documents received and/or reviewed

- Monthly monitoring reports.
- West Camp Critical Water Level draft Data Summary Report, MBMG, April, 2014
- Draft Berkeley Pit Slope Stability Evaluation Report, STRATA, August 15, 2014
- Enhancement of Montana's Manufacturing Growth through Production of Commodities from Remediation of Natural Resource Development Impacts, MBMG, May, 2014
- Butte Mine Flooding Site CD, CV 02-35 Bu-RFC, 2014 Second Quarter Report, Montana Resources, August 14, 2014

#### Travel and Site Visits

August 18 Butte, MT, for MR site tour

September 18 Butte, MT, for project update meeting with EPA and others.

#### Rocker Operable Unit

DEQ reviewed historic documents and progress on the remedial action as described in the quarterly and annual O&M reports prepared and submitted by Atlantic Richfield. Other DEQ site activities include:

- Wrote a draft task order for MBMG to continue to assist with remedy evaluation. Reviewed MBMG's draft budget estimate.
- Reviewed water level pressure transducer data and e-mail updates.

- Reviewed revisions to the draft Explanation of Significant Differences (ESD) and had discussions with legal staff. Participated in the ESD Milestone meeting.
- Reviewed and revised a draft briefing memo for the Director's signature on the ESD.
- Reviewed e-mails about data gaps for the updated Conceptual Site Model project and sent a response.
- Reviewed letter and e-mails regarding proposed additional sampling parameters for the third quarter sampling. EPA subsequently requested a sampling and analysis plan.
- Reviewed MBMG's e-mail on sampling parameters for oxidation/reduction.
- Participated in a quarterly sampling kickoff meeting.
- Reviewed 2Q14 report and wrote e-mail about the Arsenic result (17 µg/L) for contingency well RH-53.
- Reviewed the draft 2013 Annual Monitoring Report.
- Reviewed EPA's draft comment letters for the 2013 Annual Monitoring Report and the First and Second Quarter 2014 reports and sent responses.
- Reviewed Atlantic Richfield's response to comments on the 2013 Annual Monitoring Report and the First and Second Quarter 2014 reports.

#### Documents received and/or reviewed

- Second Quarter 2014 Operation and Maintenance Monitoring Report, Atlantic Richfield, July 10, 2014
- Additional Parameters for the Rocker Third Quarter 2014 Sampling Event, Atlantic Richfield, August 5, 2014
- Final First Quarter 2014 Operation and Maintenance Monitoring Report, Atlantic Richfield, September, 2014
- Final Second Quarter 2014 Operation and Maintenance Monitoring Report, Atlantic Richfield, September, 2014
- Final 2013 Annual Monitoring Report, Atlantic Richfield, September, 2014
- Revised draft Explanation of Significant Differences, EPA, September, 2014

#### Travel and Site Visits

August 11 Butte, MT, for sampling kickoff meeting

#### Warm Springs Ponds Operable Unit

DEQ reviewed the monthly and quarterly water quality reports. Other DEQ site activities include:

- Reviewed e-mails and attached documents regarding the Annual Upper Clark Fork River Biomonitoring Update meeting.
- Reviewed e-mails regarding arsenic and pH discharge exceedences and had discussions with the Clark Fork River Project Manager.
- Reviewed the Boat Ramps Design Report/Work Plan.

- Reviewed the Downstream Dam Risk Mitigation Work Plan and related e-mails.
- Reviewed e-mails regarding dust suppression during dewatering of the Ponds for the Boat Ramp Installations.

#### Documents received and/or reviewed

- Monthly Discharge Monitoring Reports.
- First Quarter 2014 Operations and Maintenance Monitoring Report, Atlantic Richfield, July 10, 2014
- Warm Springs Ponds Boat Ramps Design Report/Work Plan, Atlantic Richfield, July 9, 2014
- Warm Springs Ponds Downstream Dam Risk Mitigation Work Plan, Atlantic Richfield, July 16, 2014
- Warm Springs Ponds Silo Enhancements Design Report/Work Plan, Atlantic Richfield, September 22, 2014
- Warm Springs Ponds Dust Control During Boat Ramp Construction, Atlantic Richfield, September 24, 2014

#### Travel and Site Visits

DEQ staff did not travel to the site during the reporting period.

#### Priority Soils Operable Unit

The Butte Priority Soils Operable Unit of the Silver Bow Creek/Butte Area NPL site is an EPA enforcement-lead project with state management assistance. DEQ continued to evaluate the post ROD requirements for Remedial Design and Remedial Action. EPA issued a Unilateral Administrative Order (UAO) on July 21, 2011 to insure that certain requirements of the ROD were being implemented in a timely manner. The UAO included a Partial Remedy Implementation Plan. DEQ coordinated with EPA and the PRP Group to continue to implement

the Ground Water Monitoring Program as specified in the ROD and the UAO. DEQ and EPA have been working with the PRP Group to implement the Interim Surface Water Management Plan. In addition, DEQ continued overseeing operation of Metro Storm Drain and Lower Area One ground water capture and treatment system. The Agencies and Settling Defendants continue to complete critical Remedial Design components that will be attached to the Consent Decree. Atlantic Richfield has finished upgrading the Butte Treatment Lagoons (Phase II), and is operating the full scale ground water treatment system. BSB in conjunction with Atlantic Richfield has continued to design and build hydrodynamic devices as part of the storm water BMP program.

#### Documents received and/or reviewed

- Daily Construction Update emails
- Monthly and Quarterly Progress Reports from Group I and Group II Settling Defendant

- Phase 1 Public Health Study - Lead Exposure (BSB/ENVIRON 7/2/14) and EPA Approval letter (7/15/14)
- Kaw Ave Storm Water Re-Route Project Work Plan (BSB/WET, July 2014) – EPA/DEQ comments letter 7/28/14
- Kaw Ave Storm Water Re-Route Project Work Plan – Final with final Plan Set (BSB/WET, August 1, 2014) – includes letter with responses to Agencies comments
- Letter from AR (L Burmeister, 8/4/14) requesting the 5-year shakedown for the BTL begin 1/1/14
- Influence of MR Operational Ponds on Discharge to the MSD Sub-Drain (ARCO, 8/14/14).
- LAO Surface Enhancements Design Report Work Plan – Draft Final (ARCO, 8/29/14)
- EPA approval letter 9/2/14 Final Kaw Avenue Storm Water Re-Route Project Work Plan and attached Kaw Avenue Final Plan Set, Butte Silver Bow Public Works Department (ARCO, 8/1/14)
- Addendum to Design Report Third Cycle Best Management Practices Butte Priority Soils Operable Unit 2 September 2014 Prepared for BNSF Railway Company Union Pacific Railroad Company (K/J, 9/2/14)
- Horseshoe Bend Effluent Pipeline/MSD CCR (ARCO, 4/18/06)
- Addendum to Design Report 3<sup>rd</sup> Cycle BMPs – Revised Draft (BNSF/UP RRC, 9/11/14)
- EPA comments letter (9-29-14) Draft Final 2013 MSD Fingerprinting Technical Memorandum (ARCO, 5/30/14)
- Memorandum *Clean Hands/Dirty Hands Sample Collection Method for Mercury* from Joe Naughton (RESPEC) to Bill Kirley and Joel Chavez 9/30/14

#### Travel and Site Visits

DEQ staff did not travel to the site during the reporting period.

#### UPPER TENMILE CREEK MINING AREA SITE

DEQ continued to participate as the supporting agency for this fund lead NPL site. DEQ attended RD/RA planning meetings, project staff/management meetings, meetings to discuss implementation of Institutional Controls, meetings to discuss source control evaluation of mines in the Upper Tenmile watershed. DEQ worked with EPA and EPA's contractor to develop potable water options for the Landmark subdivision area. DEQ met with EPA and the US Forest Service to discuss reclamation of the Luttrell repository and to discuss the restoration of the Basin Creek Mine site. DEQ continued an Interagency Agreement with FWP to conduct biological monitoring of Tenmile Creek and continued contract with USGS for water quality and stream flow data collection. DEQ met with EPA frequently to discuss project issues.

#### Documents Reviewed/Prepared:

- Review the contract for the 2014/2015 field work (CDM, July 2014).
- Review the field details of the 2014/2015 work plan.

Activities, Travel, Meetings, Field Work:

July 1	Inspect LeeMt, Susie, Red Water to evaluate AMD source control options.
July 2	Inspect Luttrell and the associated water treatment facilities.
July 7	Meet L&C Co., CDM, Helena to review the status of the 10Mile watershed.
July 11	Field survey with CDM to define source control options for Susie, LeeMt, and Red water.
July 18	Meet EPA and CDM to develop excavation plans for a Landmark property.; reviewed plans to define groundwater impacts in the Rimini area.
July 24	Meet CDM to review the 2014/2015 work plan.
July 30	Meet EPA, CDM, USFS, and North Wind to start the 2014 field work.
August 6	Meet EPA, CDM, USFS to review field progress and issues.
August 8	Meet CDM to review the 2014 well drilling plans for the Rimini area.
August 20	Meet EPA and CDM to review sludge transport from Crystal and interim storage at Luttrell.
August 27	meet EPA, CDM, and North Wind to review the 2014/2015 field work.
September 3	Meet EPA, CDM, USFS, and North Wind to review the field work.
September 10	Meet EPA, CDM, USFS, and North Wind to review the 2014 field work.
September 11	Meet EPA and CDM in Rimini to locate 12 new monitoring wells.
September 17	Meet EPA, CDM, USFS, and North Wind to review the 2014 field work.
September 23	Review Warm Springs, Basin, and 10Mile projects with EPA and USFS.
September 24	Meet EPA, CDM, USFS, and North Wind to review field work.

**PRELIMINARY ASSESSMENT /SITE INVESTIGATION PROGRAM**

**PA/SI Activities**

During the reporting period the Department of Environmental Quality (DEQ) staff provided management assistance for Columbia Falls Aluminum Plant and participated in discussions with EPA and Glencore regarding options for addressing contamination at the site. DEQ staff also provided management assistance for Smurfit Stone and met with the lien holder regarding investigation results. Additional activities included responding to information requests for site assessment reports for various sites. DEQ also prepared the quarterly report and maintained site files.

**Documents Reviewed/Prepared:**

- No formal reviews were conducted within the reporting period.

**Activities, Travel, Meetings, Field Work:**

No travel or training occurred within the reporting period.

**Multi Site Bulk Funding Cooperative Agreement V-96822401**  
**BULK FUNDING**

**Summary for Budget Management Only**  
**Updated Awards and Costs through 9/30/2014**

exp: 6/30/2015

<b>BARKER HUGHSVILLE MA Sites</b>			
Site Name	Org Unit	DEQ Allocation of Award	Expenses to Date
Barker Hughsville Remedial Management	476408	61,426.16	31,823.94
Barker Hughsville Removal Management	476409	23,462.71	23,462.71
<b>TOTAL BARKER HUGHSVILLE MA</b>		<b>84,888.87</b>	<b>55,286.65</b>
			<b>29,602.22</b>

<b>NON CLARK FORK RIVER WQ FUNDED SITES MA</b>			
Site Name	Org Unit	DEQ Allocation of Award	Expenses to Date
ACM Smelter and Refinery***	476405	28,327.04	28,327.04
ACM BNSF RR***	476407	921.76	921.76
Basin Mining Area - Town of Basin	476414	4,659.53	1,958.70
Basin Mining Area - Basin Watershed	476415	63,491.31	47,225.99
Carpenter Snow Creek Mining District OU1	476445	17,448.20	7,386.78
Carpenter Snow Creek Mining District OU2	476446	57,480.38	37,695.37
Flat Creek	476455	117,679.31	73,839.51
Flat Creek OU2 Mines/WaterShed	476456	17.35	17.35
Frenchtown Mill - Smurfit-Stone	476458	9,803.25	3,985.17
Libby Groundwater***	476467	2,753.50	2,753.50
Lockwood Solvents GW Plume OU1 Beal	476470	27,158.97	13,925.34
Mouat	476480	23,573.06	15,834.75
Upper Tenmile Creek Mining Area	476485	96,353.44	60,543.49
<b>SUBTOTAL NON CFR WQ FUNDED MA</b>		<b>443,667.10</b>	<b>294,414.75</b>
			<b>155,252.35</b>

<b>PASI WQ FUNDING</b>			
Site Name	Org Unit	DEQ Allocation of Award	Expenses to Date
Summary of all org units	4864XX	65,061.03	15,879.67
<b>TOTAL PASI Funding</b>		<b>65,061.03</b>	<b>15,879.67</b>
			<b>49,181.36</b>

<b>TOTAL OF ALL MSCA AWARDS AND EXPENSES</b>	<b>599,617.00</b>	<b>365,681.07</b>	<b>234,035.93</b>
<b>Accommodation Tax Refunds</b>		<b>Grant Balance</b>	<b>30.47</b>
			<b>234,066.40</b>

\*\*\* ACM Smelter and Refinery, ACM BNSF, and Libby Groundwater have been moved to Special account funding V-96823301.





FOR THE PERIOD 7/1/2014 Thru 9/30/2014

<b>TOTAL FOR MULTI SITE COOPERATIVE AGREEMENT</b>	<b>LIFE TO DATE</b>
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Expenditures Reported Prior Quarter	320,088.98
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Jul-14	7,447.56	
Aug-14	17,920.59	
Sep-14	20,123.94	
PYA	0.00	45,492.09

Total Expenditures to Date	365,581.07
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	365,581.07
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Expenditures plus unliquidated obligations

AWARD	599,617.00
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BALANCE	234,035.93
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QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

A/E 03360

11/06/14  
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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY FOR BARKER HUGHSVILLE SITE**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 49,992.85

Expenditures for Current Quarter

Jul-14	306.99	
Aug-14	1,517.33	
Sep-14	3,469.48	
PYA	0.00	5,293.80

Total Expenditures to Date 55,286.65

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 55,286.65

Expenditures plus unliquidated obligations

AWARD 84,888.87

BALANCE 29,602.22

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**BARKER HUGHESVILLE REMEDIAL MANAGEMENT**  
**EPA Project ID: 085NMA01 Cost Org C001**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 26,534.58

Expenditures for Current Quarter

Jul-14	302.55	
Aug-14	1,517.33	
Sep-14	3,469.48	
PYA	0.00	5,289.36

Total Expenditures to Date 31,823.94

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 31,823.94

Expenditures plus unliquidated obligations

AWARD 61,426.16

BALANCE 29,602.22

DEQ ORG UNITS: 476408

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V-96822401		

FOR THE PERIOD 7/1/2014 Thru 9/30/2014

<b>BARKER HUGHSVILLE REMOVAL MANAGEMENT</b>	<b>LIFE TO</b>
<b>EPA Project ID: 085NMA01/085NMA02 Cost Org C003</b>	<b>DATE</b>

Expenditures Reported Prior Quarter	23,458.27
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Expenditures for Current Quarter

Jul-14	4.44	
Aug-14	0.00	
Sep-14	0.00	
PYA	0.00	4.44

Total Expenditures to Date	23,462.71
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	23,462.71
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Expenditures plus unliquidated obligations

AWARD	23,462.71
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BALANCE	0.00
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DEQ ORG UNITS: 476409

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

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**MULTI SITE COOPERATIVE AGREEMENT** **LIFE TO**  
**SUMMARY FOR WQ FUNDED NON-CLARK FORK RIVER SIT DATE**

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Expenditures Reported Prior Quarter 260,035.10

Expenditures for Current Quarter

Jul-14	6,246.60	
Aug-14	12,604.83	
Sep-14	15,528.22	
PYA	0.00	34,379.65

Total Expenditures to Date 294,414.75

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 294,414.75

Expenditures plus unliquidated obligations

AWARD 449,667.10

BALANCE 155,252.35

DEQ ORG UNITS:

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V-96822401		

FOR THE PERIOD 7/1/2014 Thru 9/30/2014

ANACONDA MINING COMPANY REFINERY	LIFE TO
EPA Project ID: 0819MA01 Cost Org C001	DATE

Expenditures Reported Prior Quarter	28,327.04
-------------------------------------	-----------

Expenditures for Current Quarter

Jul-14	0.00	
Aug-14	0.00	
Sep-14	0.00	
PYA	0.00	0.00

Total Expenditures to Date	28,327.04
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	28,327.04
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Expenditures plus unliquidated obligations

AWARD	28,327.04
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BALANCE	0.00
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DEQ ORG UNITS: 476405

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

ACM BNSF RR  
EPA Project ID: 0819MA01 Cost Org C002

LIFE TO  
DATE

Expenditures Reported Prior Quarter 921.76

Expenditures for Current Quarter

Jul-14	0.00	
Aug-14	0.00	
Sep-14	0.00	
PYA	0.00	0.00

Total Expenditures to Date 921.76

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 921.76

Expenditures plus unliquidated obligations

AWARD 921.76

BALANCE 0.00

DEQ ORG UNITS: 476407

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

<b>BASIN MINING AREA -- BASIN TOWN</b>	<b>LIFE TO</b>
<b>EPA Project ID: 08K5MA01 Cost Org C002</b>	<b>DATE</b>

Expenditures Reported Prior Quarter	1,786.53
-------------------------------------	----------

Expenditures for Current Quarter

Jul-14	0.00	
Aug-14	172.17	
Sep-14	0.00	
PYA	0.00	172.17

Total Expenditures to Date	1,958.70
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	1,958.70
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Expenditures plus unliquidated obligations

AWARD	4,659.53
-------	----------

BALANCE	2,700.83
---------	----------

DEQ ORG UNITS: 476414



QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**BASIN MINING AREA -- BASIN WATERSHED**  
**EPA Project ID: 08K5MA02 Cost Org C001**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 31,965.31

Expenditures for Current Quarter

Jul-14	1,849.01	
Aug-14	5,398.92	
Sep-14	8,012.75	
PYA	0.00	15,260.68

Total Expenditures to Date 47,225.99

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 47,225.99

Expenditures plus unliquidated obligations

AWARD 63,491.31

BALANCE 16,265.32

DEQ ORG UNITS: 476415

QUARTERLY REPORT  
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V-96822401

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**CARPENTER SNOW CREEK MINING DISTRICT**  
**EPA OU: 089XMA01 Cost Org C001**

**LIFE TO**  
**DATE**

Expenditures Reported Prior Quarter 7,174.20

Expenditures for Current Quarter

Jul-14	19.88	
Aug-14	60.45	
Sep-14	132.25	
PYA	0.00	212.58

Total Expenditures to Date 7,386.78

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 7,386.78

Expenditures plus unliquidated obligations

AWARD 17,448.20

BALANCE 10,061.42

DEQ ORG UNITS: 476445

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**CARPENTER SNOW CREEK MINING DISTRICT**  
**EPA Project ID: 089XMA02 Cost Org C002**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 33,286.38

Expenditures for Current Quarter

Jul-14	716.85	
Aug-14	2,725.23	
Sep-14	966.91	
PYA	0.00	4,408.99

Total Expenditures to Date 37,695.37

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 37,695.37

Expenditures plus unliquidated obligations

AWARD 57,480.38

BALANCE 19,785.01

DEQ ORG UNITS: 476446

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**FLAT CREEK**  
**EPA Project ID: 08ERMA01 Cost Org C001**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 67,399.31

Expenditures for Current Quarter

Jul-14	2,029.78	
Aug-14	1,674.35	
Sep-14	2,736.07	
PYA	0.00	6,440.20

Total Expenditures to Date 73,839.51

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 73,839.51

Expenditures plus unliquidated obligations

AWARD 117,679.31

BALANCE 43,839.80

DEQ ORG UNITS: 476455

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**FLAT CREEK**  
**EPA Project ID: 08ERMA02 Cost Org C002**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 17.35

Expenditures for Current Quarter

Jul-14	0.00	
Aug-14	0.00	
Sep-14	0.00	
PYA	0.00	0.00

Total Expenditures to Date 17.35

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 17.35

Expenditures plus unliquidated obligations

AWARD 17.35

BALANCE 0.00

DEQ ORG UNITS: 476456

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**Frenchtown Mill - Smurfit-Stone**  
**EPA Project ID: A804MA00 Cost Org C001**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 2,908.25

Expenditures for Current Quarter

Jul-14	453.84	
Aug-14	87.50	
Sep-14	535.58	
PYA	0.00	1,076.92

Total Expenditures to Date 3,985.17

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 3,985.17

Expenditures plus unliquidated obligations

AWARD 9,803.25

BALANCE 5,818.08

DEQ ORG UNITS: 476458

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**LIBBY GROUNDWATER**  
**EPA Project ID: 0820MA02 Cost Org C002**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 2,753.50

Expenditures for Current Quarter

Jul-14	0.00	
Aug-14	0.00	
Sep-14	0.00	
PYA	0.00	0.00

Total Expenditures to Date 2,753.50

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 2,753.50

Expenditures plus unliquidated obligations

AWARD 2,753.50

BALANCE 0.00

DEQ ORG UNITS: 476467

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

A/E 03360

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**LOCKWOOD SOLVENTS GROUNDWATER PLUME MA**  
**EPA Project ID: 08AKMA01 Cost Org C001**

**LIFE TO**  
**DATE**

Expenditures Reported Prior Quarter 13,629.97

Expenditures for Current Quarter

Jul-14	87.61	
Aug-14	28.68	
Sep-14	179.08	
PYA	0.00	295.37

Total Expenditures to Date 13,925.34

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 13,925.34

Expenditures plus unliquidated obligations

AWARD 27,158.97

BALANCE 13,233.63

DEQ ORG UNITS: 476470



QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

A/E 03360

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

**MOUAT**  
**EPA Project ID: 0865MA01 Cost Org C001**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 14,681.06

Expenditures for Current Quarter

Jul-14	100.19	
Aug-14	157.54	
Sep-14	895.96	
PYA	0.00	1,153.69

Total Expenditures to Date 15,834.75

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 15,834.75

Expenditures plus unliquidated obligations

AWARD 23,573.06

BALANCE 7,738.31

DEQ ORG UNITS: 476480

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

A/E 03360

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

UPPER TENMILE CREEK MINING AREA  
EPA Project ID: 081YMA04 Cost Org C001

LIFE TO  
DATE

Expenditures Reported Prior Quarter 55,184.44

Expenditures for Current Quarter

Jul-14	989.44	
Aug-14	2,299.99	
Sep-14	2,069.62	
PYA	0.00	5,359.05

Total Expenditures to Date 60,543.49

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 60,543.49

Expenditures plus unliquidated obligations

AWARD 96,353.44

BALANCE 35,809.95

DEQ ORG UNITS: 476485

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96822401

A/E 03360

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FOR THE PERIOD 7/1/2014 Thru 9/30/2014

PA/SI FUNDING  
EPA Project ID: 0800QB00 Cost Orgs C069/C087

LIFE TO  
DATE

Expenditures Reported Prior Quarter 10,061.03

Expenditures for Current Quarter

Jul-14	893.97	
Aug-14	3,798.43	
Sep-14	1,126.24	
PYA	0.00	5,818.64

Total Expenditures to Date 15,879.67

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 15,879.67

Expenditures plus unliquidated obligations

AWARD 65,061.03

BALANCE 49,181.36

DEQ ORG UNITS: 486401; 486413; 486414; 486421; 486425; 486426



Multi Site Cooperative Agreement V-96823301  
SPECIAL ACCOUNT FUNDING  
Summary for Budget Management Only  
Updated Awards and Costs through 9/30/2014

exp: 6/30/2015

CLARK FORK RIVER MA Sites				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Anaconda Community Soils	476501	87,409.00	37,001.34	50,407.66
Anaconda Old Works	476502	17,130.00	5,683.48	11,446.52
Anaconda Regional Water, Waste & Soils	476503	203,610.00	116,589.51	87,020.49
Milltown Reservoir Sediments	476576	19,933.00	12,139.74	7,793.26
SBC/Butte Area -- Butte Priority Soils	476533	447,488.00	273,903.72	173,584.28
SBC/Butte Area -- Warm Springs Ponds	476536	34,828.00	23,169.81	11,658.19
SUBTOTAL CLARK FORK RIVER MA		810,398.00	468,487.60	341,910.40

ROCKER MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
SBC/Butte Area -- Rocker	476535	41,210.00	25,824.75	15,385.25
SUBTOTAL ROCKER MA		41,210.00	25,824.75	15,385.25

BUTTE MINE FLOODING MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
SBC/Butte Area -- Mine Flooding/Berkley Pit	476532	88,503.00	67,353.00	21,150.00
SUBTOTAL BUTTE MINE FLOODING MA		88,503.00	67,353.00	21,150.00

EAST HELENA MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
East Helena Remedial Management	476548	62,189.00	37,176.06	25,012.94
SUBTOTAL EAST HELENA MA		62,189.00	37,176.06	25,012.94

IDAHO POLE MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Idaho Pole MA Site	476562	16,986.00	7,130.05	9,855.95
SUBTOTAL IDAHO POLE MA		16,986.00	7,130.05	9,855.95

LOCKWOOD MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Lockwood Solvents GW Plume	476572	40,414.00	25,564.23	14,849.77
SUBTOTAL LOCKWOOD MA		40,414.00	25,564.23	14,849.77

BN SOMERS MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
BN Somers Management Assistance	476520	63,046.00	38,894.73	24,151.27
SUBTOTAL BN SOMERS		63,046.00	38,894.73	24,151.27

ACM REFINERY MA Sites				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
ACM Smelter & Refinery	476505	61,447.00	31,320.59	30,126.41
ACM Smelter & Refinery - BNSF	476507	29,974.00	16,210.52	13,763.48
SUBTOTAL ACM REFINERY		91,421.00	47,531.11	43,889.89

LIBBY GROUNDWATER MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Libby Groundwater	476567	18,000.00	8,172.84	9,827.16
SUBTOTAL LIBBY GROUNDWATER		18,000.00	8,172.84	9,827.16

TOTAL OF MSCA SPEC ACC AWARDS AND EXPENSE	1,232,167.00	726,134.37	506,032.63
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Accommodation Tax Refunds

49.09

Grant Balance

506,081.72



QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

TOTAL FOR MULTI SITE COOPERATIVE AGREEMENT		LIFE TO DATE
Expenditures Reported Prior Quarter		635,220.39
	Jul-14	11,072.05
	Aug-14	32,949.19
	Sep-14	46,892.74
	PYA	0.00
		90,913.98
Total Expenditures to Date		726,134.37
Encumbrances/Unliquidated Obligations		0.00
Total Obligations to Date		726,134.37
Expenditures plus unliquidated obligations		
AWARD		1,232,167.00
BALANCE		506,032.63

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

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**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY FOR CLARK FORK RIVER SITES**

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LIFE TO  
DATE

Expenditures Reported Prior Quarter 416,554.78

Expenditures for Current Quarter

Jul-14	5,673.50	
Aug-14	19,457.68	
Sep-14	26,801.64	
PYA	0.00	51,932.82

Total Expenditures to Date 468,487.60

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 468,487.60

Expenditures plus unliquidated obligations

AWARD 810,398.00

BALANCE 341,910.40

DEQ ORG UNITS:



QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014.

**ANACONDA COMMUNITY SOILS**  
**EPA Project ID: 0818MA16 Cost Org C005**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 34,404.70

Expenditures for Current Quarter

Jul-14	104.08	
Aug-14	1,304.45	
Sep-14	1,188.11	
PYA	0.00	2,596.64

Total Expenditures to Date 37,001.34

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 37,001.34

Expenditures plus unliquidated obligations

AWARD 87,409.00

BALANCE 50,407.66

DEQ ORG UNITS: 476501

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**ANACONDA OLD WORKS/EAST ANACONDA DEV. AREA**      **LIFE TO**  
**EPA Project ID: 0818MA07 Cost Org C004**      **DATE**

Expenditures Reported Prior Quarter 4,882.06

Expenditures for Current Quarter

Jul-14	0.00	
Aug-14	28.68	
Sep-14	772.74	
PYA	0.00	801.42

Total Expenditures to Date 5,683.48

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 5,683.48

Expenditures plus unliquidated obligations

AWARD 17,130.00

BALANCE 11,446.52

DEQ ORG UNITS: 476502

QUARTERLY REPORT	A/E 03353	11/06/14
MONTANA MULTI SITE COOPERATIVE AGREEMENT		6:02 AM
V-96823301-0		

FOR THE PERIOD 7/1/2014 thru 9/30/2014

ANACONDA REGIONAL WATER, WASTE, & SOILS	LIFE TO
EPA Project ID: 0818MA04 Cost Org C003	DATE

Expenditures Reported Prior Quarter	101,875.14
-------------------------------------	------------

Jul-14	299.51	
Aug-14	7,475.13	
Sep-14	6,939.73	
PYA	0.00	14,714.37

Total Expenditures to Date	116,589.51
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	116,589.51
Expenditures plus unliquidated obligations	

AWARD	203,610.00
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BALANCE	87,020.49
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DEQ ORG UNITS: 476503

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**SBC/BUTTE AREA -- BUTTE PRIORITY SOILS**  
**EPA Project ID: 0822MA08 Cost Org C005**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 243,992.46

Expenditures for Current Quarter

Jul-14	4,590.67	
Aug-14	9,196.37	
Sep-14	16,124.22	
PYA	0.00	29,911.26

Total Expenditures to Date 273,903.72

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 273,903.72

Expenditures plus unliquidated obligations

AWARD 447,488.00

BALANCE 173,584.28

DEQ ORG UNITS: 476533

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**SBC/BUTTE AREA -- WARM SPRINGS PONDS**  
**EPA Project ID: 0822MA04 Cost Org C002**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 21,549.32

Expenditures for Current Quarter

Jul-14	225.40	
Aug-14	654.79	
Sep-14	740.30	
PYA	0.00	1,620.49

Total Expenditures to Date 23,169.81

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 23,169.81

Expenditures plus unliquidated obligations

AWARD 34,828.00

BALANCE 11,658.19

DEQ ORG UNITS: 476536

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MILLTOWN RESERVOIR -- SEDIMENTS**  
**EPA Project ID: 0823MA02 Cost Org C001**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 9,851.10

Expenditures for Current Quarter

Jul-14	453.84	
Aug-14	798.26	
Sep-14	1,036.54	
PYA	0.00	2,288.64

Total Expenditures to Date 12,139.74

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 12,139.74

Expenditures plus unliquidated obligations

AWARD 19,933.00

BALANCE 7,793.26

DEQ ORG UNITS: 476576

QUARTERLY REPORT	A/E 03353	11/06/14
MONTANA MULTI SITE COOPERATIVE AGREEMENT		6:02 AM
V-96823301-0		

FOR THE PERIOD 7/1/2014 thru 9/30/2014

<b>MULTI SITE COOPERATIVE AGREEMENT</b>	<b>LIFE TO</b>
<b>SUMMARY FOR BUTTE MINE FLOODING SITE</b>	<b>DATE</b>

Expenditures Reported Prior Quarter	57,900.42
-------------------------------------	-----------

Expenditures for Current Quarter

Jul-14	1,272.52	
Aug-14	2,540.32	
Sep-14	5,639.74	
PYA	0.00	9,452.58

Total Expenditures to Date	67,353.00
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	67,353.00
Expenditures plus unliquidated obligations	

AWARD	88,503.00
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BALANCE	21,150.00
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DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**SBC/BUTTE AREA -- MINE FLOODING/BERKLEY PIT**  
**EPA Project ID: 0822MA03 Cost Org C001**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 57,900.42

Expenditures for Current Quarter

Jul-14	1,272.52	
Aug-14	2,540.32	
Sep-14	5,639.74	
PYA	0.00	9,452.58

Total Expenditures to Date 67,353.00

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 67,353.00

Expenditures plus unliquidated obligations

AWARD 88,503.00

BALANCE 21,150.00

DEQ ORG UNITS: 476532



QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY FOR ROCKER SITE**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 19,253.81

Expenditures for Current Quarter

Jul-14	533.27	
Aug-14	3,672.02	
Sep-14	2,365.65	
PYA	0.00	6,570.94

Total Expenditures to Date 25,824.75

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 25,824.75

Expenditures plus unliquidated obligations

AWARD 41,210.00

BALANCE 15,385.25

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**SBC/BUTTE AREA -- ROCKER**  
**EPA Project ID: 0822MA07 Cost Org C007**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 19,253.81

Expenditures for Current Quarter

Jul-14	533.27	
Aug-14	3,672.02	
Sep-14	2,365.65	
PYA	0.00	6,570.94

Total Expenditures to Date 25,824.75

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 25,824.75

Expenditures plus unliquidated obligations

AWARD 41,210.00

BALANCE 15,385.25

DEQ ORG UNITS: 476535

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY FOR EAST HELENA SITE**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 35,327.68

Expenditures for Current Quarter

Jul-14	150.23	
Aug-14	1,330.94	
Sep-14	367.21	
PYA	0.00	1,848.38

Total Expenditures to Date 37,176.06

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 37,176.06

Expenditures plus unliquidated obligations

AWARD 62,189.00

BALANCE 25,012.94

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**EAST HELENA REMEDIAL MANAGEMENT**  
**EPA Project ID: 0830MA02 Cost Org C002**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 35,327.68

Expenditures for Current Quarter

Jul-14	150.23	
Aug-14	1,330.94	
Sep-14	367.21	
PYA	0.00	1,848.38

Total Expenditures to Date 37,176.06

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 37,176.06

Expenditures plus unliquidated obligations

AWARD 62,189.00

BALANCE 25,012.94

DEQ ORG UNITS: 476548

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY OF IDAHO POLE SITES**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 5,632.78

Expenditures for Current Quarter

Jul-14	183.65	
Aug-14	313.08	
Sep-14	1,000.54	
PYA	0.00	1,497.27

Total Expenditures to Date 7,130.05

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 7,130.05

Expenditures plus unliquidated obligations

AWARD 16,986.00

BALANCE 9,855.95

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**IDAHO POLE MANAGEMENT ASSISTANCE**  
**EPA Project ID: 0862MA01 Cost Org C001**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 5,632.78

Expenditures for Current Quarter

Jul-14	183.65	
Aug-14	313.08	
Sep-14	1,000.54	
PYA	0.00	1,497.27

Total Expenditures to Date 7,130.05

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 7,130.05

Expenditures plus unliquidated obligations

AWARD 16,986.00

BALANCE 9,855.95

DEQ ORG UNITS: 476562

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

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**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY OF LOCKWOOD SITES**

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LIFE TO  
DATE

Expenditures Reported Prior Quarter 24,338.11

Expenditures for Current Quarter

Jul-14	87.61	
Aug-14	948.51	
Sep-14	190.00	
PYA	0.00	1,226.12

Total Expenditures to Date 25,564.23

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 25,564.23

Expenditures plus unliquidated obligations

AWARD 40,414.00

BALANCE 14,849.77

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**LOCKWOOD SOLVENTS MA OU2 BRENTAGG**  
**EPA Project ID: 08AKMA02 Cost Org C002**

LIFE TO  
DATE

Expenditures Reported Prior Quarter 24,338.11

Expenditures for Current Quarter

Jul-14	87.61	
Aug-14	948.51	
Sep-14	190.00	
PYA	0.00	1,226.12

Total Expenditures to Date 25,564.23

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 25,564.23

Expenditures plus unliquidated obligations

AWARD 40,414.00

BALANCE 14,849.77

DEQ ORG UNITS: 476572



QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY OF BN SOMERS SITES**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 31,545.28

Expenditures for Current Quarter

Jul-14	1,947.78	
Aug-14	834.34	
Sep-14	4,567.33	
PYA	0.00	7,349.45

Total Expenditures to Date 38,894.73

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 38,894.73

Expenditures plus unliquidated obligations

AWARD 63,046.00

BALANCE 24,151.27

DEQ ORG UNITS:

QUARTERLY REPORT	A/E 03353	11/06/14
MONTANA MULTI SITE COOPERATIVE AGREEMENT		6:02 AM
V-96823301-0		

FOR THE PERIOD 7/1/2014 thru 9/30/2014

<b>BN SOMERS MANAGEMENT ASSISTANCE</b>	<b>LIFE TO</b>
<b>EPA Project ID: 0863MA01 Cost Org C001</b>	<b>DATE</b>

Expenditures Reported Prior Quarter	31,545.28
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Expenditures for Current Quarter

Jul-14	1,947.78	
Aug-14	834.34	
Sep-14	4,567.33	
PYA	0.00	7,349.45

Total Expenditures to Date	38,894.73
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	38,894.73
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Expenditures plus unliquidated obligations

AWARD	63,046.00
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BALANCE	24,151.27
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DEQ ORG UNITS: 476520

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY OF ACM REFINERY SITES**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 38,325.58

Expenditures for Current Quarter

Jul-14	1,207.76	
Aug-14	2,513.80	
Sep-14	5,483.97	
PYA	0.00	9,205.53

Total Expenditures to Date 47,531.11

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 47,531.11

Expenditures plus unliquidated obligations

AWARD 91,421.00

BALANCE 43,889.89

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**ACM Smelter & Refinery**  
**EPA Project ID: 0819MA01 Cost Org C001**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 25,732.95

Expenditures for Current Quarter

Jul-14	932.51	
Aug-14	995.52	
Sep-14	3,659.61	
PYA	0.00	5,587.64

Total Expenditures to Date 31,320.59

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 31,320.59

Expenditures plus unliquidated obligations

AWARD 61,447.00

BALANCE 30,126.41

DEQ ORG UNITS: 476505

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

ACM Smelter & Refinery - BNSF  
EPA Project ID: 0819MA01 Cost Org C002

LIFE TO  
DATE

Expenditures Reported Prior Quarter 12,592.63

Expenditures for Current Quarter

Jul-14	275.25	
Aug-14	1,518.28	
Sep-14	1,824.36	
PYA	0.00	3,617.89

Total Expenditures to Date 16,210.52

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 16,210.52

Expenditures plus unliquidated obligations

AWARD 29,974.00

BALANCE 13,763.48

DEQ ORG UNITS: 476507

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14  
6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**MULTI SITE COOPERATIVE AGREEMENT  
SUMMARY OF LIBBY GROUNDWATER SITES**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 6,341.95

Expenditures for Current Quarter

Jul-14	15.73	
Aug-14	1,338.50	
Sep-14	476.66	
PYA	0.00	1,830.89

Total Expenditures to Date 8,172.84

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 8,172.84

Expenditures plus unliquidated obligations

AWARD 18,000.00

BALANCE 9,827.16

DEQ ORG UNITS:

QUARTERLY REPORT  
MONTANA MULTI SITE COOPERATIVE AGREEMENT  
V-96823301-0

A/E 03353

11/06/14

6:02 AM

FOR THE PERIOD 7/1/2014 thru 9/30/2014

**Libby Groundwater**  
**EPA Project ID: 0820MA02 Cost Org C002**

**LIFE TO  
DATE**

Expenditures Reported Prior Quarter 6,341.95

Expenditures for Current Quarter

Jul-14	15.73	
Aug-14	1,338.50	
Sep-14	476.66	
PYA	0.00	1,830.89

Total Expenditures to Date 8,172.84

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 8,172.84

Expenditures plus unliquidated obligations

AWARD 18,000.00

BALANCE 9,827.16

DEQ ORG UNITS: 476567





**TRAVEL - SUMMARY INFORMATION**  
**FUND 03360 MULTI-SITE MA BULK FUND**

**TRAVEL FOR TIME PERIOD: 07/01/2014-09/30/2014**

<b>Name</b>	<b>Location/Purpose</b>	<b>Dates</b>	<b>OrgUnit Name</b>
Reed, Daryl	Superior, MT/oversee field investigation work at Flat Creek IMM	09/22/14 - 09/22/14	476455-FLAT CREEK MA



**TRAVEL - SUMMARY INFORMATION**  
**FUND 03353 MULTI-SITE MA SPEC ACC FUNDING**

**TRAVEL FOR TIME PERIOD: 07/01/2014-09/30/2014**

<b>Name</b>	<b>Location/Purpose</b>	<b>Dates</b>	<b>OrgUnit Name</b>
DeWitt, Lisa	Bozeman/Butte/Travel to Bozeman for a public meeting/commissioners meeting presenation on Idaho Pole, then to Montana Pole in Butte for a site visit and meeting with EPA	07/08/14 - 07/08/14	476562-Idaho Pole MA
	Libby/Travel to Libby for Libby Groundwater Site Meetings with EPA and for 5-year review kickoff	08/04/14 - 08/06/14	476567-Libby Groundwater
	Bozeman/oversee drilling, geoprobe and characterization activities	08/13/14 - 08/14/14	476562-Idaho Pole MA
Large, Keith	Milltown, MT/Annual Repository Inspection at the Milltown site with EPA, NRD and settling defendants	07/17/14 - 07/17/14	476576-Milltown Reservoir Sediments
Quinones, Ben	Somers/BNSF Somers Oversight	07/07/14 - 07/09/14	476520-BN Somers MA
	Somers/Somers Oversight	08/25/14 - 08/27/14	476520-BN Somers MA
Reed, Daryl	Butte/BMFOU update meeting with EPA, ARCO & Montana Resources	09/18/14 - 09/18/14	476532-Butte Mine Flooding/Pit



MSCA Bulk, Special Account and Carpenter Snow Creek Payroll hours  
07/01/2014 thru 09/19/2014

Sum of HOURS		Org Unit													
Name	473430	476408	476409	476414	476415	476445	476446	476455	476458	476470	476480	476485	476501		
Adkins,Thaddeus								0.5			2				
Bauer,Ricki Ann					122.1				0.5			1			
Brooks,Cynthia D					1.1										
Cannon,Helenann				0.5	3.7	2.1	0.5					0.4			
Chambers,Jenny R							0.5		2				6		
Chavez,Joel E													12		
Clark, Penney Ostler		1.6			8.7								10.7		
Dewitt,Lisa															
Flynn,Kyle F															
Griffin,Joseph															
Haque-Hausrath,Katheri	0.1	0.3			44.8		0.5					0.3	16.6		
Kirley,William B		6.7		2	4.3		13.9	24.4	0.5						
Large,Keith K	210.5	98.4	0.1				0.1		14.7						
Morgan,Jonathan M		6.2				2.3	58.5						3		
Quinones,Benny E															
Reed,Daryl S								95			22				
Rowsey,Russell	2.9	1.6		0.3	2.3	1.2	10.9	1.1		1.1	2.2	1.4	1.2		
Sloan,Richard L					130					5		116			
Smietanka,Alexandra Ly	0.6	5.9								2.5		0.3	1.8		
Stoops,Thomas M							0.5					1			
Trombetta,Michael Jame									2.8						
Grand Total	214.1	120.7	0.1	2.8	317	5.6	85.4	121	20.5	8.6	26.2	120.4	51.3		

Carpenter Snow Creek  
Barker Hughesville Remedial  
Barkers Hughesville Removal  
Basin Mine - Town of Basin  
Basin Mining - Watershed  
Carpenter Snow Creek Min. Dist  
Carpenter Snow Creek OU2 MA  
Flat Creek Ma  
Smurfit  
Lockwood Solvents  
OU1 Beal  
MOUAT  
Upper Ten Creek Mining Area  
Anaconda Community Soils

MSCA Bulk, Special Account z  
07/01/2014 thru 09/19/2014

Sum of HOURS

Name	476502	476503	476505	476507	476520	476532	476533	476535	476536	476548	476562	476567	476572	476576	Grand Total
Adkins, Thaddeus						2									4.5
Bauer, Ricki Ann			0.2												123.8
Brooks, Cynthia D			1.5												2.6
Cannon, Helenann		1.5					1.5								10.2
Chambers, Jenny R						1	10.5	17.5							37.5
Chavez, Joel E	5	185.5													202.5
Clark, Penney Ostler		4.5	2				18.2								45.7
Dewitt, Lisa					1.6						20.8	26.4			48.8
Flynn, Kyle F							64.5								64.5
Griffin, Joseph							237								237
Haque-Hausrath, Katheri	7.6	43.7			11.3		0.3				1.5	0.8			127.8
Kirley, William B					2.5	0.5	73.9	4.8						16.7	150.2
Large, Keith K														24.2	348
Morgan, Jonathan M			37.5	0.6		0.1	184	15.9	0.1						308.2
Quinones, Benny E					115.7										115.7
Reed, Daryl S						181		84.5	32	37.5					452
Rowsey, Russell	1.2	1.2	1.2	1.2	1.2	3.1	3.7	2.8	1.2	1.2	2.3	0.9	1.2	5.1	53.7
Sloan, Richard L			87	82									28		448
Smietanka, Alexandra Ly		3.7	2.6			0.3									17.7
Stoops, Thomas M															1.5
Trombetta, Michael Jame															2.8
Grand Total	13.8	240.1	132	83.8	132.3	188	593.6	125.5	33.3	38.7	24.6	28.1	29.2	46	2802.7
Anaconda Old Works															
Ana. Reg Water/ Waste/ Soils															
ACM Refinery MA															
ACM BNSF RR															
BN Somers															
Butte Mine Flooding															
Butte Priority Soils															
Butte Rocker															
Butte Warm Springs Ponds															
East Helena Remedial															
Idaho Pole MA Special Accts															
Libby Ground water															
Lockwood OU2 Brentagg															
Milltown Reservoir Sed															
TOTAL															

PASI Payroll Hours

07/01/2014 thru 09/19/2014

Sum of HOURS		Org Unit	
Name	486401	Grand Total	
Brooks,Cynthia D	46.4	46.4	
Bucy,Moriah J	0.9	0.9	
Chambers,Jenny R	5.5	5.5	
Clark, Penney Ostler	3.6	3.6	
Kirley, William B	15.1	15.1	
Martin, Denise L	12.8	12.8	
Roll, Robert L	3.5	3.5	
Rowsey, Russell	1.5	1.5	
Strainer, Edwina Roene	0.5	0.5	
Trombetta, Michael Jame	1.3	1.3	
Grand Total	91.1	91.1	

